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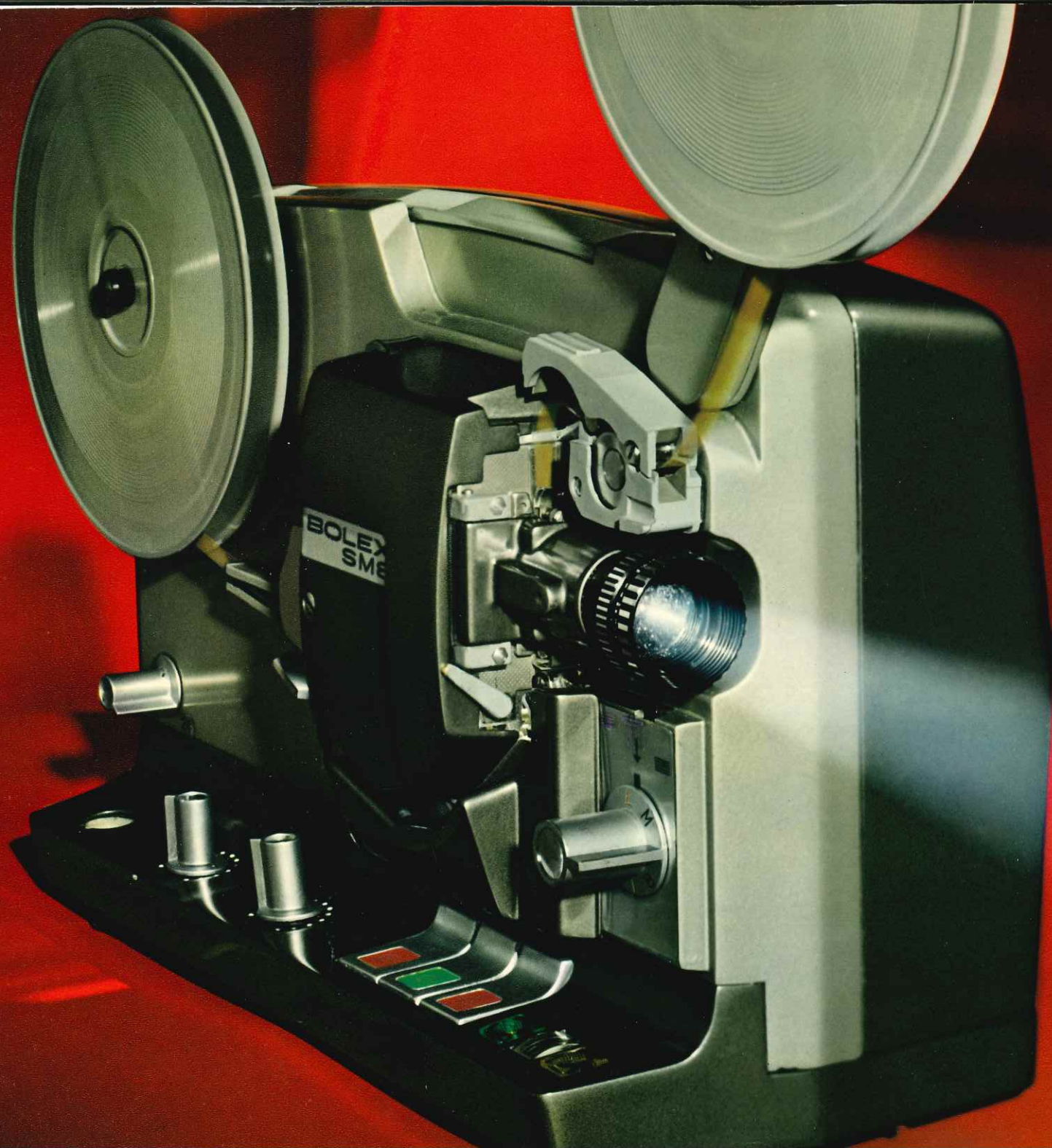
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BOLEX SM8

A magnetic sound projector
for Super 8 films







The Bolex SM 8 projector permits anyone to add sound to Super 8 films

Spice your films with music, narration, and sound effects, and see how much more lively and exciting they become! Adding sound is simple with the new Bolex SM 8 projector. A musical background, taken from a record, or a narration spoken in the microphone is all you need to fully recapture the happiness of a vacation or family event.

Thanks to modern engineering techniques, sound projection is no problem nowadays. With the Bolex SM 8 projector, sound is recorded directly on the magnetic stripe applied to the film. The recording can be permanent

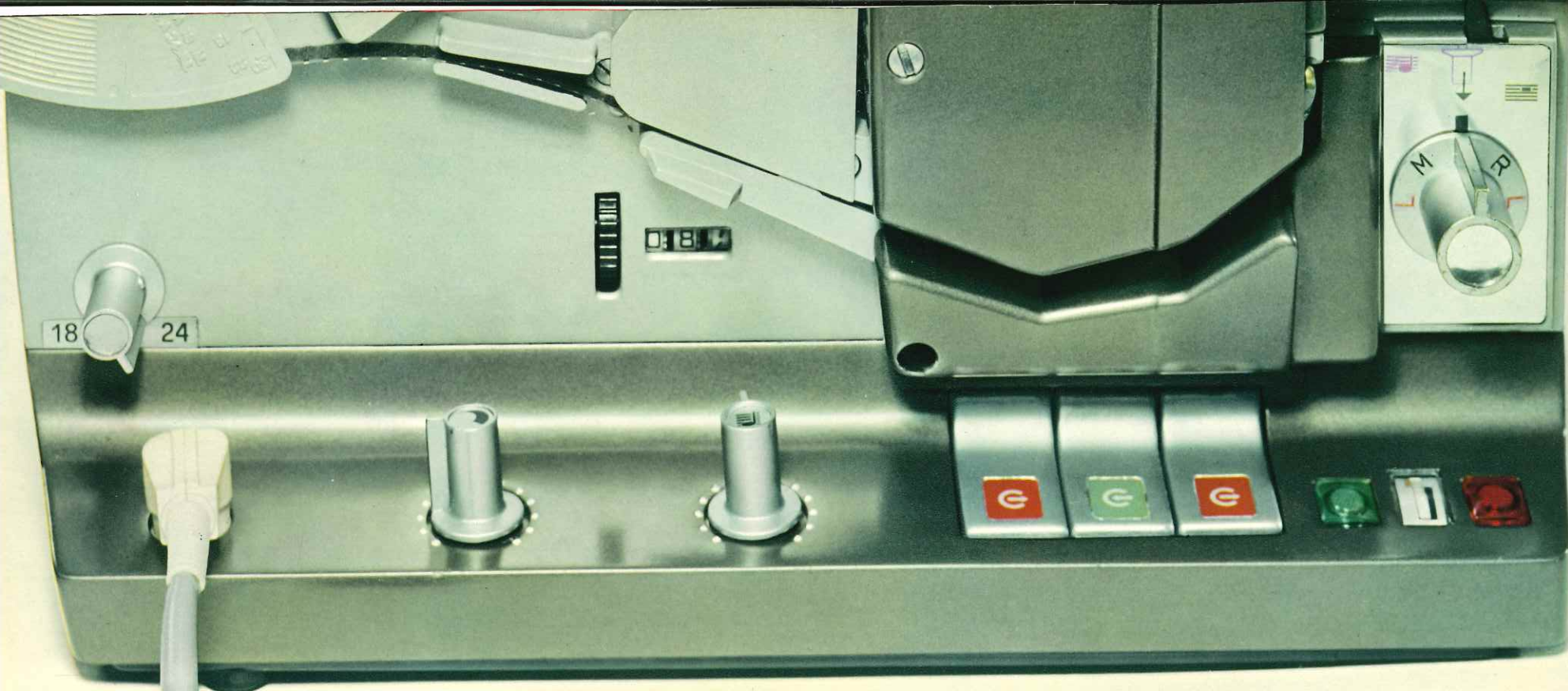
or can easily be erased or changed whenever desired. Sound recording is even simpler than on a tape recorder due to the SM 8 sound superimposition possibility, i.e. the recording of music, sound effects, and speech successively on the same portion of film. The 18 or 24 f.p.s. projection speed ensures excellent quality sound reproduction.

Naturally, you can also project silent films at either speed, and the SM 8 is, therefore, a good investment even if sound is something in your future.

In addition to your own films, you can project

commercial Super 8 sound films, thereby providing countless evenings of dramatic, humorous or educational entertainment. The Bolex SM 8 projector has an 800-ft. film capacity, providing as much as 52 minutes of uninterrupted viewing!

Film threading is fully automatic, even over the sound unit; and the film attaches itself automatically to the Bolex 400' take-up reel. Simplicity combined with the most advanced refinements, promises you superior sound quality and brilliant, sharp, and steady pictures!



Ease of operation

All controls are conveniently arranged on the right side of the projector. In addition to the color coded and easily manipulated keyboard with recording and play-back switches, we have the input socket for microphone and record player, volume and tone control, and the recording level indicator.

When narration is added to an already recorded musical background, the music is automatically suppressed. The narration can be recorded away from the projector because the

microphone incorporates color coded switches for erasing and superimposing by remote control. This prevents picking up disturbing projector noise while recording.

A built-in frame counter works automatically in forward and reverse.

The needle on the VU meter shows accurately whether the recording volume is correct.

For advanced moviemakers who want to produce special sound effects, a very useful three-channel mixing console is available as an accessory. It incorporates one microphone input and two phono or tape-recorder inputs with volume control for each channel. This mixing console also enables the projector to be used as a public address system or for on-the-spot comments with a silent film.

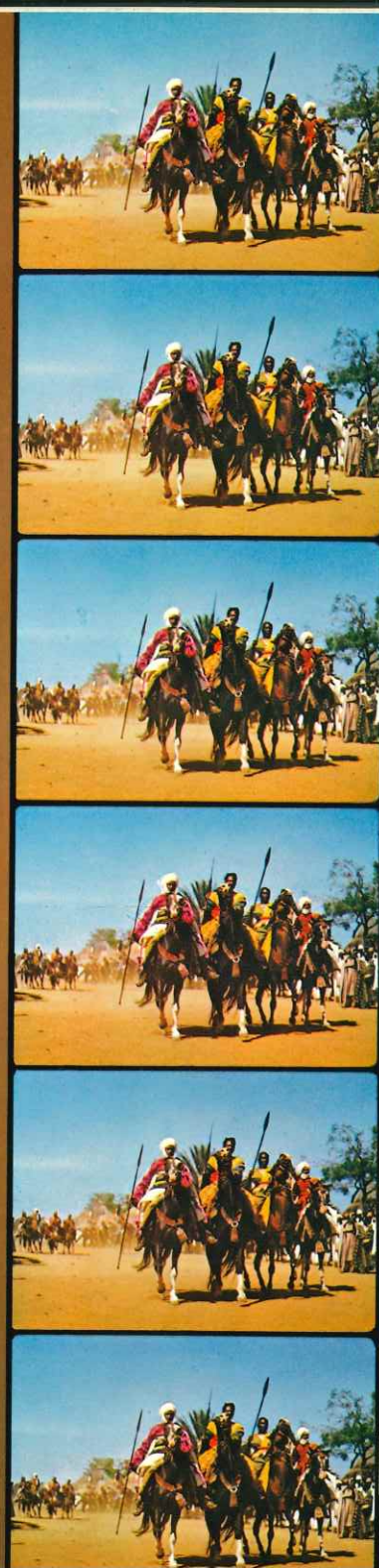
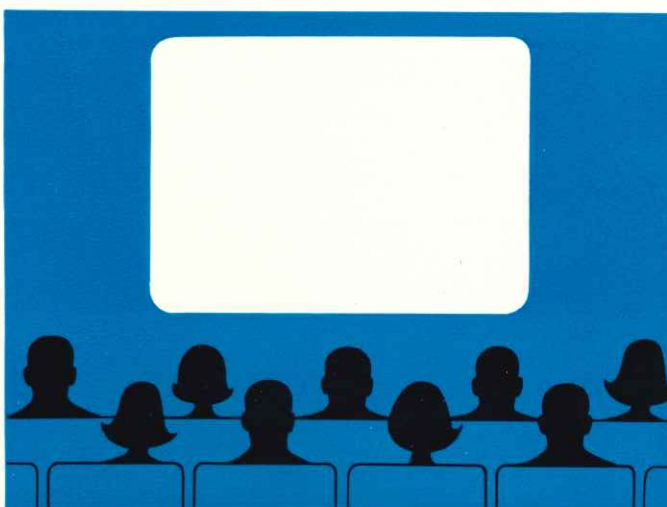
The Bolex SM 8 provides a choice of projecting films at 18 or 24 f.p.s., forward or in reverse.

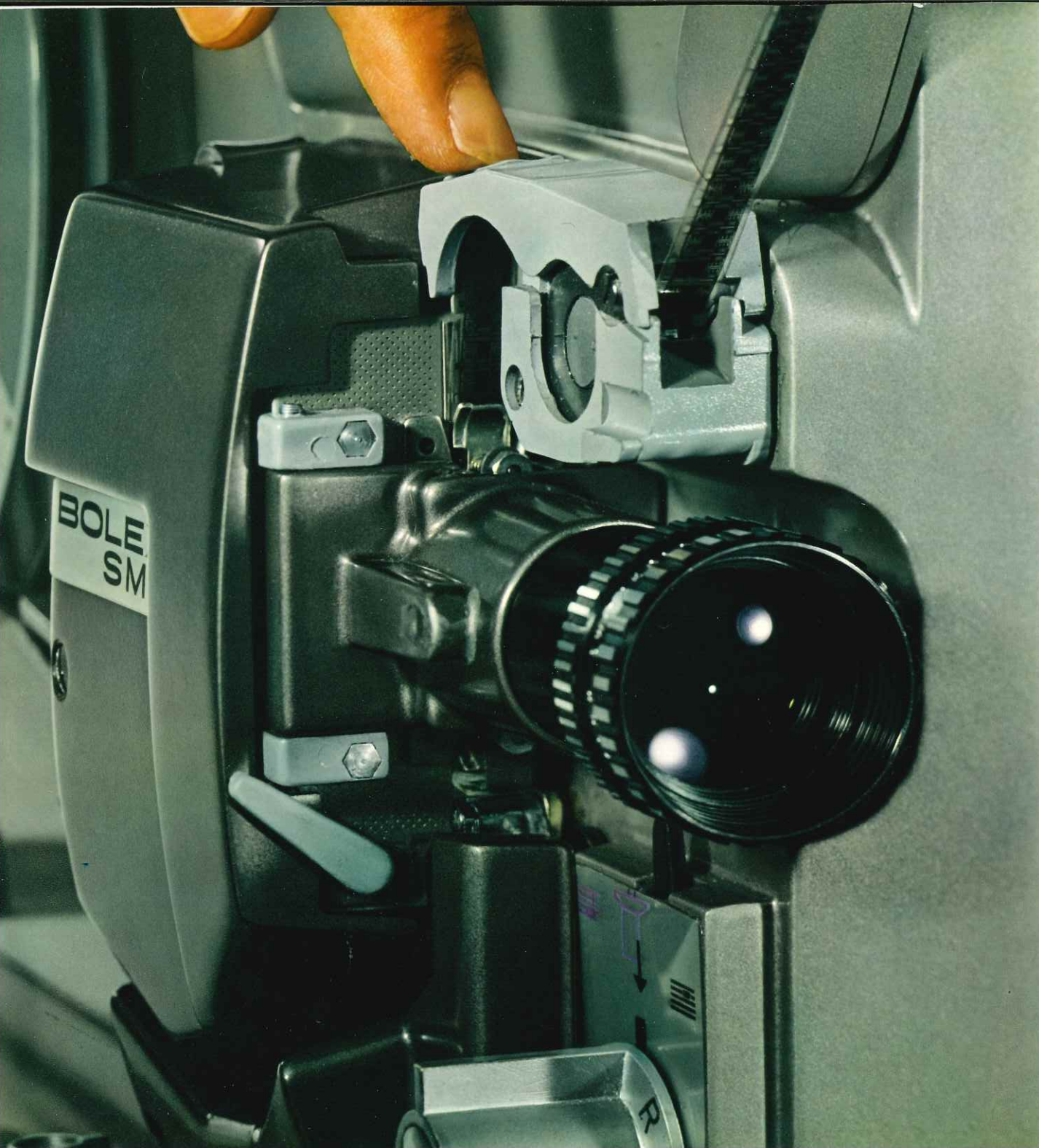
When recording, the quartz iodine lamp can be operated at 40 % of full brightness, thereby lengthening the life of the lamp and reducing the heat at the filmplane.



For family showings or projection in small groups, the built-in speaker is sufficient and satisfactory. When more volume is necessary,

it is advisable to use the auxiliary speaker, available as an accessory. It is supplied in a case specially designed to carry the projector.





Superb picture quality

The 12V/100 W quartz iodine lamp provides a bright, white light. The carefully designed and extremely precise film drive mechanism ensures absolute picture steadiness.

The framing mechanism moves filmgate and lensholder, so that the film frame always remains in the perfect optical center of the projection lens. In reverse, the sound head moves automatically out of position, thereby eliminating unnecessary wear and tear on the head and the magnetic stripe.





Technical Data

Mechanical system

- Fully automatic loading, from reel to reel, with the Bolex 400-ft. take-up spool. Automatic loading with manual film insertion when using other spools.
- Convenient removing and inserting of partially projected film.
- Silent asynchronous motor drive.
- Separate motor for cooling.
- Running speeds of 18 and 24 f.p.s.
- Mechanism controlled by rotating switch: forward and reverse motion with lamp at reduced or full power.

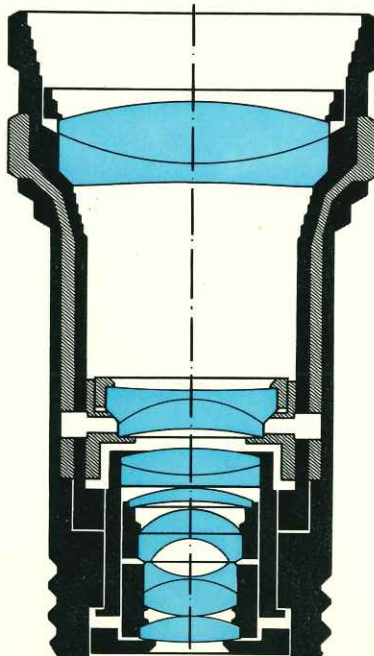
Optical system

- 12 V/100 W quartz iodine projection lamp for exceptional picture brightness.
- Paillard-Bolex « Hi-Fi » f/1.3 lenses: fixed focal length (15 mm, 20 mm, and 25 mm) or 14-25 mm zoom.
- Framing control with the lens mount.

Sound system

- Sound unit with erasing head and recording/playback head. The magnetic heads are withdrawn during reverse projection and for projection of silent films.
- Standard sound-picture separation of $18 \pm \frac{1}{2}$ frames.
- Transistorized amplifier with printed circuits. Power output 4 W with 5 % harmonic distortion.
- Built-in 2 W speaker.
- Input channel for microphone and record-player.
- Output channel for external 6 W speaker in case.
- Recording level and playback volume control with indicator.
- Tone control.
- Easily manipulated keyboard with recording and playback controls.
- Microphone with erase and superimposition switches by remote control. Automatic suppression of background when recording narration.
- Physiological response curve.
- Available as accessories: mixing console with three channels: one microphone input and two phono or tape-recorder inputs with volume control for each channel, also enabling the use of the projector as a public address system.

Superb Paillard-Bolex « Hi-Fi » f/1.3 lenses let you enjoy the fine qualities of the new Super 8 film, regardless how large the screen image might be. They give brilliant, colorful, well-contrasted pictures, perfectly sharp from corner to corner. You can choose from four lenses: three fixed focal length—15 mm, 20 mm, and 25 mm—or one zoom lens, 14-25 mm, which enables you to match the projected picture to the screen size without moving the projector.



General Specifications

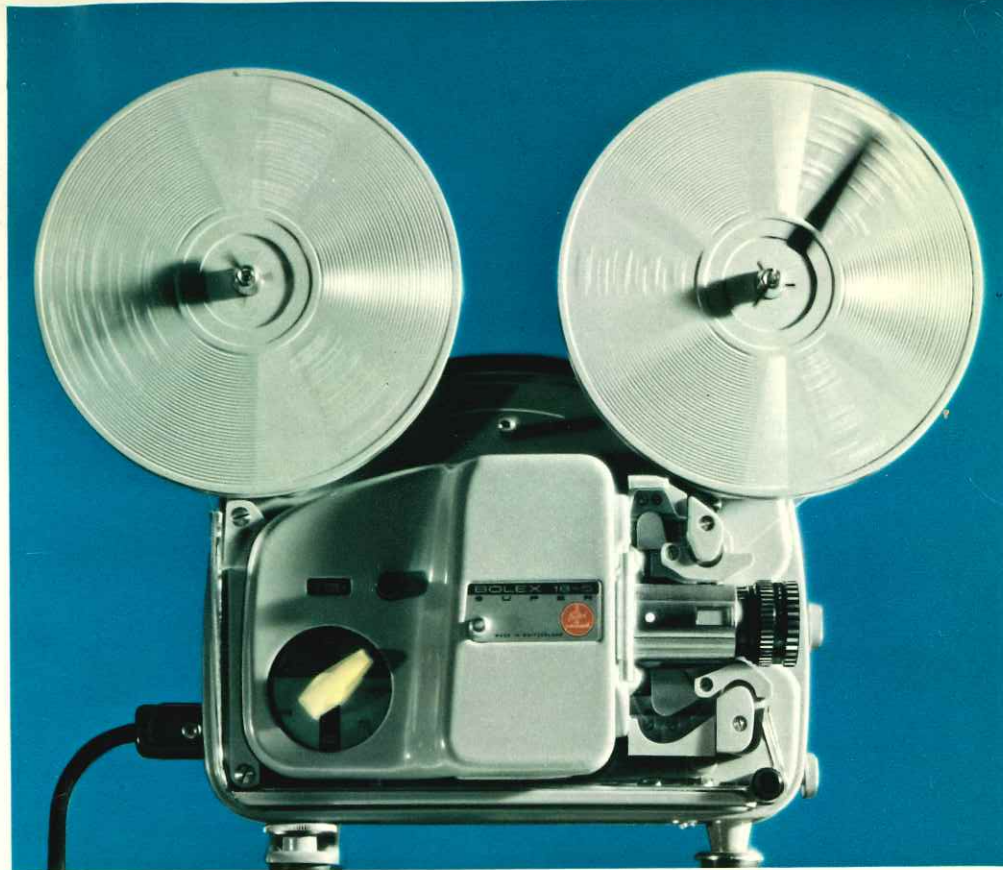
- Aluminium alloy die cast body.
- Two-tone gray finish.
- Dimensions: 14" x 10" x 7".
- Weight including lens: 25 lbs.
- Height and leveling adjustment by screw type feet.
- Power supply: 110-125 V, 60 cycles.
- Room lamp socket which automatically switches room lamp off and on at the beginning and end of projection.



Bolex 150 Super camera

A completely new kind of camera, designed for the Super 8 format, the Bolex 150 Super sets a new fashion in filming! Always ready for action, it enables you to capture the most

unexpected and exciting incidents on film. Equipped with electric motor drive, automatic diaphragm adjustment and a top-quality Paillard-Bolex 8.5 - 30 mm, f/1.9 zoom lens.



Bolex 18-5 Super silent projector

This Super 8 projector is already renowned for its outstanding optical and mechanical qualities. Its advantages include entirely automatic film threading,

from reel to reel, slow motion at 5 f.p.s., reverse projection, and a choice of exceptional Paillard-Bolex « Hi-Fi » fixed focal length or zoom lenses.

Swiss precision

Rigorous inspections by the Paillard specialists ensure that the Bolex SM 8 projector meets the most exacting standards of quality and precision—the same high quality and precision for which all Bolex instruments are world renowned.

After-Sales service

Our international network offers you impeccable after-sales service throughout the world. Wherever you may be, you can entrust your projector to a Bolex distributor with complete confidence. He employs qualified technicians, usually trained in the Paillard factories in Switzerland.

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